INTERFACE PROGRAM IN BASIC

```
100 REM ASM09- EXEC. FOR ASM09.BIN
200 CLEAR
300 BL=1:REM DEL 10 FOR NO BLOADS
400 HOME:VTAB(4):INVERSE
500 D$=CHR$(4):PRINTD$;"PR#0"
600 PRINTD$;"CLOSE"
700 X$=" THE MILL / APPLE ][ 6809 ASSEMBLER "
800 X=LEN(X$)
900 PRINTSPC(X):PRINT:PRINTX$:PRINTSPC(X):PRINT
1000 X$=" (C) 1981 CONEJO COMPUTER PRODUCTS  "
1100 PRINTSPC(X):PRINT:PRINTX$:PRINTSPC(X):PRINT
1200 REM ----------------------
1300 REM ---- CONFIGURATION PARAMS
1400 REM PRINTER PAGE DIM.
1500 WD=78:DP=66:REM WIDTH,DEPTH
1505 REM *** MEMORY & I/O CONSTANTS ***
1510 MEM = 8192: REM>> LOAD HERE <<
1700 IO=MEM:REM 6502 CODE HERE
1710 CODE=IO+256:REM 6809 CODE HERE
1800 SLOT=4:REM MILL SLOT#
1810 SN=SLOT*16:REM LSB OF I/O ADDR
1900 SLOT=49280+SN:REM SLOT->ADDR
2000 REM >>> 4 PAGE ZERO BYTES <<<
2100 RCMD=250:REM MAILBOX W/09 & ASM09IO.BIN
2200 TCMD=RCMD+2:REM DITTO
2210 POKE TCMD+2,SN:REM USED BY ASM09IO
2220 XFADR=512:REM #200, SEE XFILE
2300 REM --- END OF CONSTANTS
2400 REM --------------------
2500 LI=0:OB=0:F1$="":PASS=1
2600 REM CRT DIM.
2800 REM GET '09 CODE
2900 ONERR GOTO 3200
3000 GOSUB16000
3100 GOSUB 15000:GOTO 3600
3200 HOME:FLASH
3300 PRINT"ASM09.BIN OR ASM09IO.BIN NOT FOUND"
3400 GOTO3400
3500 REM ----
3600 HOME
3610 VTAB(4):INVERSE
3620 PRINT" SELECT DRIVE NUMBER, <CR> FOR #1 ";
3630 NORMAL:PRINT" ";CHR$(7);:GET Y$
3640 IF ASC(Y$)=13 THEN Y$="1"
3650 X=ASC(Y$):IF (X<=48)OR(X>50)THEN3600
3655 VTAB(4):HTAB(37):PRINTY$
3660 DR$=",D"+Y$
3665 REM DEFAULT LISTING SIZE:
3670 POKE CODE+3,38:POKE CODE+4,23
3680 REM <PRINTER W/O FORM FEED> POKE CODE+6,0
3700 VTAB(8):PRINT
3800 VTAB(8):INVERSE
3900 PRINT"ENTER SOURCE FILE NAME";CHR$(7)
4000 VTAB(8):HTAB(25)
4100 NORMAL:INPUT F$:GOSUB 15000
4200 PRINT
4300 IF F$="" THEN 3600
4400 O$=F$+".HEX"
4500 ONERR GOTO 4900
4600 F$=F$:PRINTD$;"VERIFY ";F$+DR$
4700 PRINTD$;"READ ";F$:PRINTD$;"CLOSE"
4800 GOTO 5200
4900 VTAB(10):PRINTSPC(39):VTAB(10):HTAB(1)
5000 FLASH:PRINT"TEXT FILE: ";
```

```
5100 PRINTF$+DR$;" NOT FOUND";GOTO3700
5200 GOSUB 15000;VTAB(10);PRINTSPC(39);PRINT
5300 VTAB(13);INVERSE
5400 PRINT"WANT OBJECT CODE (Y/N)";
5500 GOSUB 15300;OB=Y
5600 IFY=-1 THEN 5300
5700 IF OB=0 THEN 6000
5800 ON ERR GOTO 5910
5900 PRINTD$;"DELETE ";O$
5910 GOSUB15000
6000 VTAB(15);INVERSE
6100 PRINT"    WANT LISTING (Y/N)";
6200 GOSUB15300;LI=Y
6300 IFY=-1 THEN 6000
6400 POKE CODE+2,((OB*128)+LI);REM TO ASMO9.BIN
6500 IF LI=0 THEN 7700
6600 VTAB(17);INVERSE
6700 PRINT"SELECT LISTING DEVICE;"
6800 PRINT" <CR> = CRT, ";
6900 PRINT"# = SLOT # OF PRINTER";
7000 NORMAL;PRINT" ?";CHR$(7);;GET LI$
7100 PRINT LI$
7200 IF ASC(LI$)=13 THEN LI$="0";GOTO7600
7300 X=ASC(LI$)
7400 IF (X<48)OR(X>55)THEN6600
7500 POKE CODE+3,WD;POKE CODE+4,DP
7600 INVERSE
7700 VTAB(23);PRINT"PASS 1, FILE; ";F$
7800 NORMAL
7900 GOSUB 13100;REM STARTUP MILL
8000 REM !!!PRINTD$;"OPEN ";F$
8100 PRINTD$;"READ ";F$
8110 FX$=F$
8200 REM;--POLL--
8400 GOTO8600
8500 REM *** (PREMATURE) EOF
8505 REM SEND -1 DATA TO ASSEMBLER
8510 GOSUB 15000
8520 POKE RCMD+1,255;POKE RCMD,0
8600 REM ----------------------
8605 ONERR GOTO 8500
8610 CALL IO;REM GOTO 6502 CODE
8700 GOSUB15000
8800 RX=PEEK(RCMD);TX=PEEK(TCMD)
8900 REM RCMD;1=OPEN,2=READ,3=REWIND
8910 REM      4=STOP,5=OPEN NEW,6=RESUME MAIN
9000 REM TCMD;1=LIST,2=BEGIN OBJ,3=BEGIN LIST
9100 IF TX THEN GOSUB 11200
9200 IF RX>6 THEN STOP
9300 ON RX GOSUB 10900,10800,9600,12500,10610,10700
9400 POKE RCMD,0
9500 GOTO 8200
9600 REM *** REWIND (3)
9700 PRINT;PRINTD$;"CLOSE"
9800 IF LI$="0" THEN HOME;INVERSE
9900 PRINT"PASS 2, OBJECT FILE=";;NORMAL
10000 IF OB=0 THENPRINT"(NONE)";GOTO 10300
10100 PRINT" ";O$
10200 GOSUB15000;PRINTD$;"OPEN ";O$
10300 PRINTD$;"PR# ";LI$
10310 FX$=F$
10400 PRINTD$;"READ ";FX$
10500 POKE TCMD,0;PASS=2
10600 RETURN
```

```
10610 REM *** READ AN XFILE (5)
10620 X=XFADR:F1$="":POKE RCMD+1,0
10630 X1=PEEK(X):IF X1=0 THEN 10650
10640 F1$=F1$+CHR$(X1):X=X+1:GOTO 10630
10650 ON ERR GOTO 10690
10652 IF F1$<>""THENPRINTD$;"VERIFY ";F1$:FX$=F1$
10655 GOSUB15000
10666 PRINTD$;"READ ";FX$
10670 RETURN
10690 GOSUB 15000:POKE RCMD+1,255:REM ERROR
10692 PRINT
10693 PRINTF1$;" NOT FOUND";CHR$(7)
10696 FX$=F$:F1$="":RESUME
10700 REM *** RESUME READ OF MAIN (6)
10710 PRINTD$;"CLOSE ";FX$
10720 FX$=F$:F1$=""
10730 PRINTD$;"READ ";FX$
10740 RETURN
10800 REM *** READ (2)
10810 STOP
10900 REM *** OPEN (1)
11000 RETURN
11100 REM -------
11200 REM TCMD ACTION
11300 ON TX GOTO 11500,11600,11900
11400 STOP:REM TX>3
11500 STOP:REM TX=1 DONE IN ASM0910
11600 REM TX=2 START HEX
11700 PRINTD$:REM GOOD OLE DOS!
11800 PRINTD$;"WRITE ";O$:GOTO 12200
11900 REM TX=3=END HEX
12000 PRINT
12100 PRINTD$;"READ ";FX$
12200 POKE TCMD,0
12300 RETURN
12400 REM ------
12500 REM END PASS 2
12600 PRINTD$;"PR# 0"
12700 PRINTD$;"CLOSE"
12800 POKE SLOT+2,0
12900 END
13000 REM
13100 REM INITIALIZE THE MILL
13200 POKE RCMD,0:POKE TCMD,0
13300 B8=128
13400 POKE SLOT+0,B8
13500 POKE SLOT+1,B8
13600 POKE SLOT+2,0
13700 POKE SLOT+3,B8
13800 POKE SLOT+4,B8
13900 POKE SLOT+5,B8
14000 POKE SLOT+7,B8
14100 REM SETUP 09'S RESTART
14200 REM   JMP CODE
14300 REM   AT $40FA
14400 X=PEEK(65534)*256+PEEK(65535)
14500 POKE X+0,126:REM $7E
14600 POKE X+1,CODE/256
14700 POKE X+2,CODE-(256*(CODE/256))
14800 REM ASM0910 STARTS UP '09
14900 RETURN
15000 REM *** KILL ON ERR
15100 POKE 216,0
15200 RETURN
```

```
15300 REM GET Y/N REPLY
15400 Y=-1
15500 NORMAL:PRINT" ?";CHR$(7);:GET Y$
15600 PRINTY$;
15700 IF Y$="Y" THEN Y=1
15800 IF Y$="N" THEN Y=0
15900 PRINT:RETURN
16000 REM STARTUP
16700 IF BL=0 THEN FOR I=1TO500:NEXT I:RETURN
16900 VTAB(22):HTAB(8)
17000 FLASH:PRINT"STANDBY- BLOAD RUNNING"
17100 NORMAL
17200 PRINTD$;"BLOAD ASM09.BIN,A",STR$(CODE)
17300 PRINTD$;"BLOAD ASM09IO.BIN,A"STR$(IO)
17400 RETURN
17500 REM LAST LINE
```

ASM09IO

INTERFACE SUBROUTINE FOR ASM09

```
SOURCE FILE: ASM0910
0000:              1 *
0000:              2 ****************************************
0000:              3 * (C) 1981, CONEJO COMPUTER PRODUCTS
0000:              4 * 3655 THOUSAND OAKS BL.
0000:              5 * WESTLAKE VILLAGE, CA   91362
0000:              6 *   ALL RIGHTS RESERVED
0000:              7 *
0000:              8 ******* ASM0910.TXT, 6502 CODE ******
0000:              9 *
0000:             10 *   >> THIS 6502 CODE IS POSITION-INDEPENDENT
0000:             11 *       AND CAN BE RELOCATED AT "BLOAD"-TIME
0000:             12 *
0000:             13 * THIS PROGRAM INTERFACES ASM09, THE BASIC
0000:             14 * CODE TO ASM09.BIN, THE 6809 CODE
0000:             15 *
2000:             16 CODEAT  EQU   8192       WHERE ASM09.BIN GOES
----- NEXT OBJECT FILE NAME IS ASM0910.OBJ0
1E00:             17          ORG   CODEAT-512 WHERE ASM0910.BIN GOES
1E00:             18 *
1E00:             19 * DOS ADDRESSES:
1E00:             20 *
FDED:             21 COUT    EQU   $FDED      CHAR OUT
FD0C:           . 22 CIN     EQU   $FD0C      CHAR IN
1E00:             23 *
1E00:             24 * PAGE ZERO MAILBOXES W/BASIC AND ASM09
1E00:             25 *
00FA:             26 RXCMD   EQU   250        MAILBOX W/6809
00FC:             27 TXCMD   EQU   RXCMD+2    DITTO
1E00:             28 * ASM09 POKES SLOT# * 16 HERE:
00FE:             29 SLOTNO  EQU   TXCMD+2    BASIC POKES IT HERE
1E00:             30 * EG: IF MILL IN SLOT 4, C(SLOTNO)=$40
1E00:             31 *
1E00:             32 * REGISTERS WITHIN THE MILL
1E00:             33 *
C080:             34 SLOT0   EQU   $C080      ADDR OF SLOT 0
C081:             35 RUNO9   EQU   SLOT0+1    IO ADDR+2 IS RUN BIT
C082:             36 RESET   EQU   SLOT0+2    6809 RESET, 1=FALSE
1E00:             37 *
1E00:             38 * PROTOCOL CODES USED HEREIN, OTHERS IN BASIC09
1E00:             39 *
0001:             40 LISTCH  EQU   1          SEND CHAR TO LISTING
0002:             41 READCH  EQU   2          READ CHAR FROM DISK
1E00:             42 *
1E00:             43 ****************************************
1E00:             44 * BASIC DOES A "CALL IO" TO HERE: *
1E00:             45 ****************************************
1E00:             46 *
1E00:A4 FE        47          LDY   SLOTNO     GET IOADDRESS LOW PART
1E02:A9 80        48          LDA   #$80
1E04:99 82 C0     49          STA   RESET,Y    SET RESET=FALSE
1E07:99 81 C0     50          STA   RUNO9,Y    SET RUN=1
1E0A:             51 *
1E0A:A2 00        52 A000     LDX   #0         CONSTANT
1E0C:A4 FE        53          LDY   SLOTNO     GET SLOT NO.
1E0E:A9 80        54          LDA   #$80       SET RUN=1
1E10:99 81 C0     55          STA   RUNO9,Y
1E13:             56 *
1E13:             57 *
1E13:             58 *
1E13:             59 *
```

```
 1E13:              60 *
 1E13:              61 *
 1E13:              62 *
 1E13:              63 *
 1E13:              64 *
 1E13:              65 *
 1E13:A5 FA         66 A100     LDA   RXCMD       ANYTHING ON RCV?
 1E15:F0 17         67          BEQ   B100        IF NO
 1E17:C9 02.        68          CMP   #READCH     IS IT "READ A CHARACTER" ?
 1E19:F0 05         69          BEQ   A200        IF SO, DO IT
 1E1B:              70 * ALL OTHER COMMANDS HANDLED BY BASIC
 1E1B:8A            71          TXA               ZERO
 1E1C:99 81 C0      72          STA   RUNO9,Y     HALT THE 09
 1E1F:60            73          RTS               RETURN TO BASIC
 1E20:              74 *
 1E20:              75 * IS READ A CHAR FROM SOURCE FILE CMD
 1E20:              76 *
 1E20:8A            77 A200     TXA               ZERO
 1E21:99 81 C0      78          STA   RUNO9,Y     HALT THE 09
 1E24:20 0C FD      79          JSR   CIN         FETCH CHAR
 1E27:85 FB         80          STA   RXCMD+1     PASS VIA MAILBOX
 1E29:86 FA         81          STX   RXCMD       RESET COMMAND
 1E2B:18            82          CLC
 1E2C:90 DC         83          BCC   A000        (JMP) NEXT COMMAND
 1E2E:              84 *
 1E2E:              85 * POLL THE OTHER SIDE, OUTPUT FROM THE 09
 1E2E:              86 *
 1E2E:A5 FC         87 B100     LDA   TXCMD       ANY COMMAND?
 1E30:F0 E1         88          BEQ   A100        IF NO
 1E32:C9 01         89          CMP   #LISTCH     SEND TO LISTING?
 1E34:D0 10         90          BNE   B300        IF NO
 1E36:              91 *
 1E36:              92 * SEND LISTING CHARACTER
 1E36:              93 *
 1E36:8A            94          TXA               ZERO
 1E37:99 81 C0      95          STA   RUNO9,Y     STOP THE 09
 1E3A:              96 *     IN CASE I/O NEEDS FULL SPEED 6502
 1E3A:A5 FD         97          LDA   TXCMD+1     GET DATA
 1E3C:09 80         98          ORA   #$80        MERGE MSB
 1E3E:20 ED FD      99          JSR   COUT        SEND CHAR
 1E41:86 FC        100          STX   TXCMD       RESET COMMAND
 1E43:18           101          CLC
 1E44:90 C4        102          BCC   A000        CONTINUE POLL.
 1E46:             103 *
 1E46:             104 * IS START/STOP OBJECT
 1E46:             105 *
 1E46:8A           106 B300     TXA
 1E47:99 81 C0     107          STA   RUNO9,Y     STOP '09
 1E4A:60           108          RTS               GOTO BASIC
 1E4B:             109 *
 1E4B:             110 *
 1E4B:             111 ***** END OF TEXT ******

*** SUCCESSFUL ASSEMBLY: NO ERRORS
```

6502 PROGRAM TO LOAD PROGRAMS FOR THE MILL

```
0000:                   1 * LOAD09 - 6502 M/L
0000:                   2 * FILENAME=LOAD09.BIN
0000:                   3 * REV: 5/9/81
0000:                   4 *
----- NEXT OBJECT FILE NAME IS LOAD09.OBJ0
6000:                   5           ORG   $6000     <<< CHANGE AS NEEDED <<<
6000:                   6 *
6000:                   7 * THE CALLER OF THIS SUBROUTINE MUST
6000:                   8 * OPEN AN ASM09 HEX FILE AND ISSUE A READ
6000:                   9 * COMMAND TO DOS. THIS CODE READS ALL DATA
6000:                  10 * RECORDS, STORES ALL DATA, AND RETURNS
6000:                  11 * AFTER PROCESSING THE "END" RECORD.
6000:                  12 * ON RETURN, THE END RECORD'S STARTING
6000:                  13 * ADDRESS IS IN LOCATIONS.
00FA:                  14 XFERHI  EQU   250       MOST  SIGNIF. BITS
00FB:                  15 XFERLO  EQU   251       LEAST SIGNIF. BITS
6000:                  16 *
6000:                  17 *
FD0C:                  18 INCH    EQU   $FD0C     READ CHAR FROM INPUT
6000:                  19 *
6000:D8               20 START   CLD             NO DECIMAL
6001:                  21 *
6001:20 0C FD         22 A100    JSR   INCH      GET CHAR
6004:29 7F            23          AND   #$7F
6006:C9 3A            24          CMP   #$3A      ":", START OF RECORD
6008:D0 F7            25          BNE   A100
600A:20 48 60         26          JSR   HEX2      READ RECORD TYPE
600D:C9 03            27          CMP   #3        ="END"
600F:F0 2C            28          BEQ   B200      IF END RECORD
6011:C9 01            29          CMP   #1        ="DATA"
6013:F0 04            30          BEQ   B100
6015:00               31          BRK             ILLEGAL RECORD
6016:4C 00 60         32          JMP   START
6019:                  33 *
6019:                  34 * PROCESS DATA RECORD
6019:                  35 *
6019:20 48 60         36 B100    JSR   HEX2      GET ADDRESS-HI
601C:8D 2E 60         37          STA   B160+2    SETUP INDIRECT
601F:20 48 60         38          JSR   HEX2      GET ADDRESS-LO
6022:8D 2D 60         39          STA   B160+1
6025:20 48 60         40          JSR   HEX2      GET COUNT
6028:AA               41          TAX             SAVE COUNT
6029:20 48 60         42 B150    JSR   HEX2      GET DATA BYTE
602C:8D FF FF         43 B160    STA   $FFFF     STORE DATAA
602F:EE 2D 60         44          INC   B160+1    ADVANCE POINTER
6032:D0 03            45          BNE   B170
6034:EE 2E 60         46          INC   B160+2    16 BIT ADDR
6037:CA               47 B170    DEX             LOOP ON RECORD COUNT
6038:D0 EF            48          BNE   B150
603A:4C 01 60         49          JMP   A100      NEXT RECORD
603D:                  50 *
603D:                  51 * PROCESS END RECORD
603D:                  52 *
603D:20 48 60         53 B200    JSR   HEX2      GET HI OF STARTING ADDRESS
6040:85 FA            54          STA   XFERHI    STORE IT
6042:20 48 60         55          JSR   HEX2      GET LOW OF STARTING ADDRESS
6045:85 FB            56          STA   XFERLO    STORE IT
6047:                  57 *
6047:                  58 *
6047:                  59 *
```

```
6047:              60 *
6047:              61 *
6047:              62 *
6047:              63 *
6047:              64 *
6047:              65 *
6047:              66 *
6047:              67 * RETURN TO CALLER
6047:              68 *
6047:60            69           RTS
6048:              70 *
6048:              71 ************************************
6048:              72 *
6048:              73 * READ TWO HEX/ASCII BYTES, RETURN
6048:              74 * BINARY EQUIVALENT IN Y.
6048:              75 *
6048:20 5A 60      76 HEX2      JSR    HEX1       READ 1ST
604B:0A            77           ASL    A          MSB
604C:0A            78           ASL    A
604D:0A            79           ASL    A
604E:0A            80           ASL    A
604F:8D 59 60      81           STA    HEX2X
6052:20 5A 60      82           JSR    HEX1       GET 2ND
6055:0D 59 60      83           ORA    HEX2X      MERGE
6058:60            84           RTS
6059:00            85 HEX2X     DFB    0
605A:              86 *
605A:              87 * READ AND CONVERT 1 HEX CHAR
605A:              88 * RETURN BINARY EQUIVALENT IN ACCUM.
605A:              89 *
605A:20 0C FD      90 HEX1      JSR    INCH       GET CHAR
605D:29 7F         91           AND    #$7F       KILL MSB
605F:C9 3A         92           CMP    #$39+1     '9'+1
6061:30 03         93           BMI    HEX1A      IF 0..9
6063:38            94           SEC
6064:E9 37         95           SBC    #55        MAKE 10..15
6066:29 0F         96 HEX1A     AND    #$0F       4 BITS
6068:60            97           RTS               IN ACCUM
6069:              98 *
6069:              99 * LAST LINE
6069:             100 *
```

*** SUCCESSFUL ASSEMBLY: NO ERRORS

```
6001  A100        6019  B100        6029  B150        602C  B160
6037  B170        603D  B200        605A  HEX1        6066  HEX16
6048  HEX2        6059  HEX2X       FDOC  INCH        6000  START
  FA  XFERHI        FB  XFERLO
```

SAMPLE OF LOADER FORMAT

011000022002

0110023A0628328D016AAE8CF7318D0065A6A0A78026FAC630318D00676C26A62681392341E7266
25A62581392337E7256C24A62481392332DE7247DC030

0110C386C23A62381392320E7236C22A62281392316E7226C21A62181392330CE7216C4A6A4813
92302E7A4308D000C10AE8C96A680A7A026FA20A1

0110740E3638303920434F554E54494E4720

011082083030303030303000

031000

1

DEMO1

LISTING

DEMO1.TXT - A SIMPLE DEMONSTRATION OF 6809+APPLE
(C) 1981, CONEJO COMPUTER PRODUCTS

```
                   * FILE=DEMO1.TXT
                   * 6809 / APPLE DEMO PROG
                   * RUNS A COUNTER ON TOP LINE
11                           OPT    NUM
12 1000                      ORG    4096        <<< CHANGE AS DESIRED <<<
13         07F0   SCREEN EQU   $7F0         CRT ADDRESS
14         C030   BEEP   EQU   $C030        I/O FOR SPEAKER
15 1000 2002     START  BRA   BEGIN
16 1002 0628     ADDR   FDB   $628          SCREEN ADDR

18 1004 328D016A BEGIN  LEAS  END+232,PCR SET STACK POINTER
19 1008 AE8CF7          LDX   ADDR,PCR   SCREEN ADDRESS
20 100B 318D0065        LEAY  MSG1,PCR   "6809 COUNTING ...."
21 100F A6A0     L100   LDA   ,Y+
22 1011 A780            STA   ,X+
23 1013 26FA            BNE   L100

25 1015 C630     L200   LDB   #'0          ASCII ZERO
26 1017 318D0067        LEAY  MSG1A,PCR BUFFER ADDRESS
27 101B 6C26            INC   6,Y          FROM HERE WE INCREMENT BCD DIGITS
28 101D A626            LDA   6,Y          BY ADDING 1 TIL '9' THEN DO CARRY
29 101F 8139            CMPA  #'9
30 1021 2341            BLS   L300
31 1023 E726            STB   6,Y
32 1025 6C25            INC   5,Y
33 1027 A625            LDA   5,Y
34 1029 8139            CMPA  #'9
35 102B 2337            BLS   L300
36 102D E725            STB   5,Y
37 102F 6C24            INC   4,Y
38 1031 A624            LDA   4,Y
39 1033 8139            CMPA  #'9
40 1035 232D            BLS   L300
41 1037 E724            STB   4,Y
42 1039 7DC030          TST   BEEP         CLICK SPEAKER
43 103C 6C23            INC   3,Y
44 103E A623            LDA   3,Y
45 1040 8139            CMPA  #'9
46 1042 2320            BLS   L300
47 1044 E723            STB   3,Y
48 1046 6C22            INC   2,Y
49 1048 A622            LDA   2,Y
50 104A 8139            CMPA  #'9
51 104C 2316            BLS   L300
52 104E E722            STB   2,Y
53 1050 6C21            INC   1,Y
54 1052 A621            LDA   1,Y
55 1054 8139            CMPA  #'9
56 1056 230C            BLS   L300
57 1058 E721            STB   1,Y
58 105A 6CA4            INC   ,Y
59 105C A6A4            LDA   ,Y
60 105E 8139            CMPA  #'9
61 1060 2302            BLS   L300
62 1062 E7A4            STB   ,Y

64 1064 308D000C L300   LEAX  MSG1,PCR   SEND DATA TO CRT
65 1068 10AE8C96        LDY   ADDR,PCR
```

EMO1.TXT.- A SIMPLE DEMONSTRATION OF 6809+APPLE
C) 1981, CONEJO COMPUTER PRODUCTS

```
66 106C A680      L400   LDA     ,X+           MOVE LOCAL TO CRT MEMORY
   106E A7A0              STA     ,Y+
   1070 26FA             BNE     L400
69 1072 20A1             BRA     L200          MAIN LOOP

71 1074 3638303920 MSG1 FCC     "6809 COUNTING "
71 107A 434F554E54494E47
71 1082 20
72 1082 3030303030 MSG1A FCC    "0000000",0
72 1088 303000
73         000E    CNT   EQU     MSG1A-MSG1
74         108A    END   EQU     *

76         1000          END     START
```

DEMO1.TXT - A SIMPLE DEMONSTRATION OF 6809+APPLE
(C) 1981, CONEJO COMPUTER PRODUCTS

    13 SYMBOLS IN TABLE:

●DR ●1002 BEEP =C030 BEGIN ●1004 CNT   =000E END   =108A L100 ●100F
L200 ●1015 L300 ●1064 L400 ●106C MSG1 ●1074 MSG1A ●1082 SCREEN=07F0
START ●1000

SYMBOL TABLE END: 417D

    O STATEMENT ERROR(S), LAST PC:1089

CONEJO COMPUTER PRODUCTS
3655 Thousand Oaks Blvd. Suite 255
Westlake Village, California 91362 USA

THE MILL, 6809 ASSEMBLER PKG., V1

NAME   ---

FIRM   ---

STREET   ---

CITY/STATE ------------------------------------ZIP-------

COUNTRY   ---

DATE PURCHASED: MONTH:----------- DAY:----, YEAR: 19--

DEALER   ---

THE MILL SERIAL NUMBER ------------------------------------

APPLICATION, please check one:

OEM []   INDUSTRIAL END-USER []   SCHOOL []   HOBBY []

SOFTWARE DEVELOPER []   OTHER [] ------------------------

We would appreciate a brief explanation of your intended
application and any comments regarding the manual, suggestions for
new products, etc.: